



Safety position switch with separate actuator Plastic enclosure, 50 mm
Device connection 2x (M20x 1.5) Slow-action contacts 1 NO+2 NC 5
directions of approaches The matching separate actuator 3SE5000-0AV0.
must be ordered separately

product brand name
product designation
product type designation
manufacturer's article number

- of the optional actuators

SIRIUS
Mechanical safety switches
3SE5

3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator, approach from left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator, approach from right, 3SE5000-0AV07 Heavy Duty actuator, 3SE5000-0AW42 actuator with vertical fixing, stainless steel socket, 3SE5000-0AW43 actuator with transverse fixing, stainless steel socket, 3SE5000-0AW51 stainless steel actuator, 3SE5000-0AW52 stainless steel actuator with vertical fixing, 3SE5000-0AW53 stainless steel actuator with transverse fixing, 3SE5000-0AW11 plastic actuator

suitability for use safety switch

Yes

General technical data

product function positive opening
insulation voltage rated value
degree of pollution
surge voltage resistance rated value
protection class IP
shock resistance

- according to IEC 60068-2-27

vibration resistance

- according to IEC 60068-2-6

mechanical service life (operating cycles) typical
electrical endurance (operating cycles) at AC-15 at 230 V typical
electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026
thermal current
material of the enclosure of the switch head
reference code according to IEC 81346-2
continuous current of the C characteristic MCB
continuous current of the quick DIAZED fuse link
continuous current of the DIAZED fuse link gG
active principle
repeat accuracy
Substance Prohibitance (Date)
minimum actuating force in directions of actuation
length of the sensor

Yes
400 V
class 3
6 kV
IP66/IP67
30g / 11 ms
0.35 mm/5g
1 000 000
100 000
1 000 000
6 000
10 A
plastic
B
1 A; for a short-circuit current smaller than 400 A
10 A; for a short-circuit current smaller than 400 A
6 A; for a short-circuit current smaller than 400 A
mechanical
0.05 mm
07/01/2006
20 N
89 mm

width of the sensor	50 mm
Ambient conditions	
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °C
explosion protection category for dust	none
design of the switching contact	mechanical
operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	1
operational current at AC-15	
• at 24 V rated value	6 A
• at 120 V rated value	6 A
• at 240 V rated value	4 A
• at 400 V rated value	4 A
operational current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 250 V rated value	0.27 A
• at 400 V rated value	0.12 A
Enclosure	
design of the housing	block, wide
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing according to standard	No
Drive Head	
design of the actuating element	without
standard-compliant actuator head	EN 50047
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	2
cable entry type	2x (M20 x 1.5)
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• at AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
design of the interface for safety-related communication	without
Communication/ Protocol	
design of the interface	without
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate according to SN 31920	20 %
Certificates/ approvals	
General Product Approval	



[Confirmation](#)



Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5242-0QV40>

Cax online generator

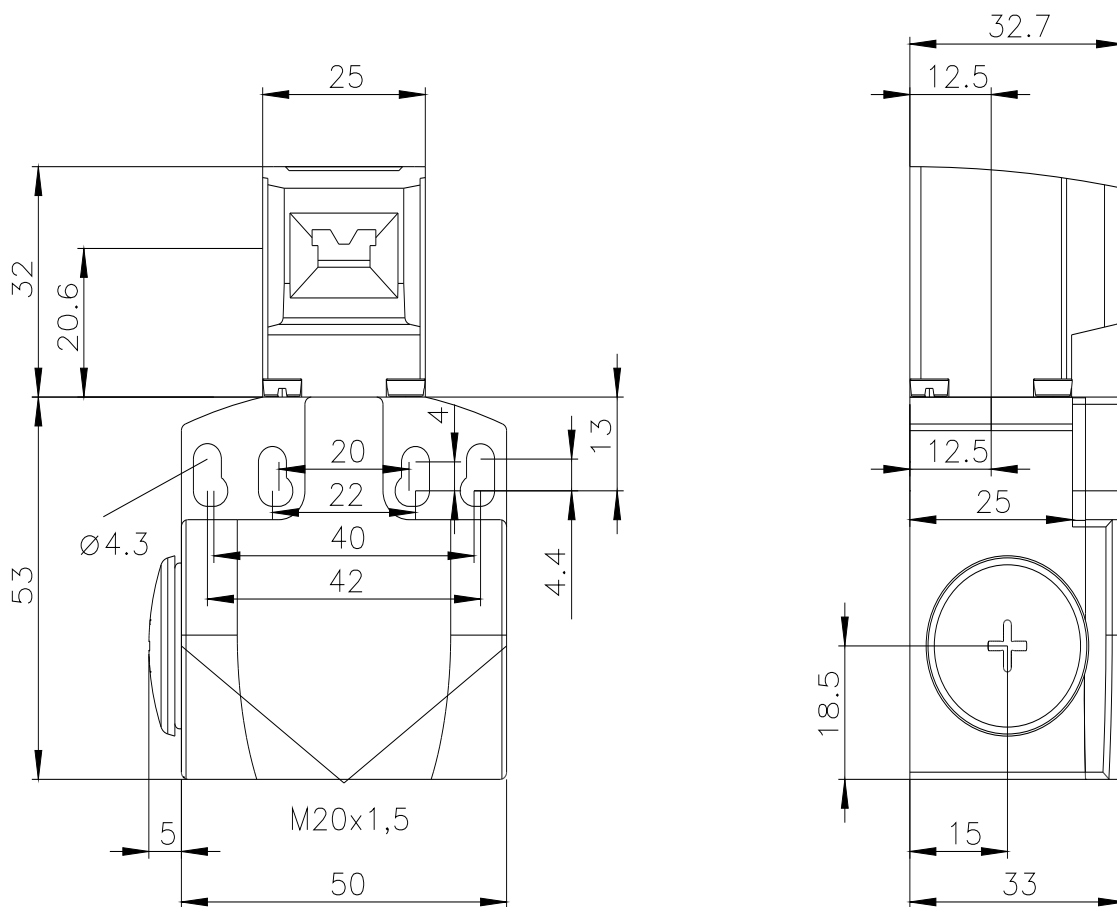
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-0QV40>

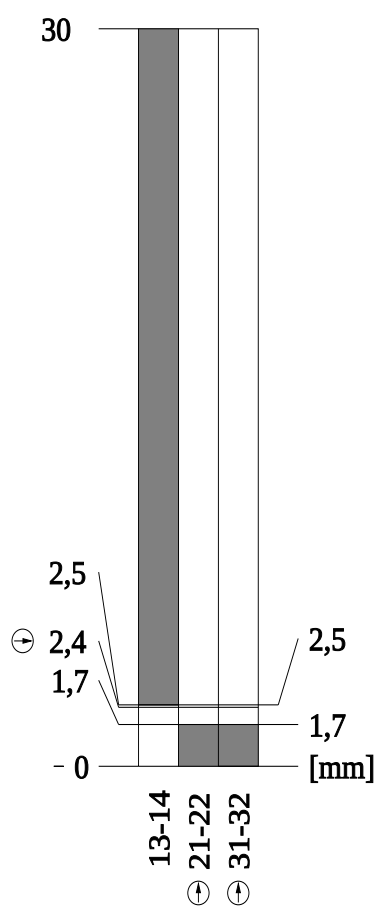
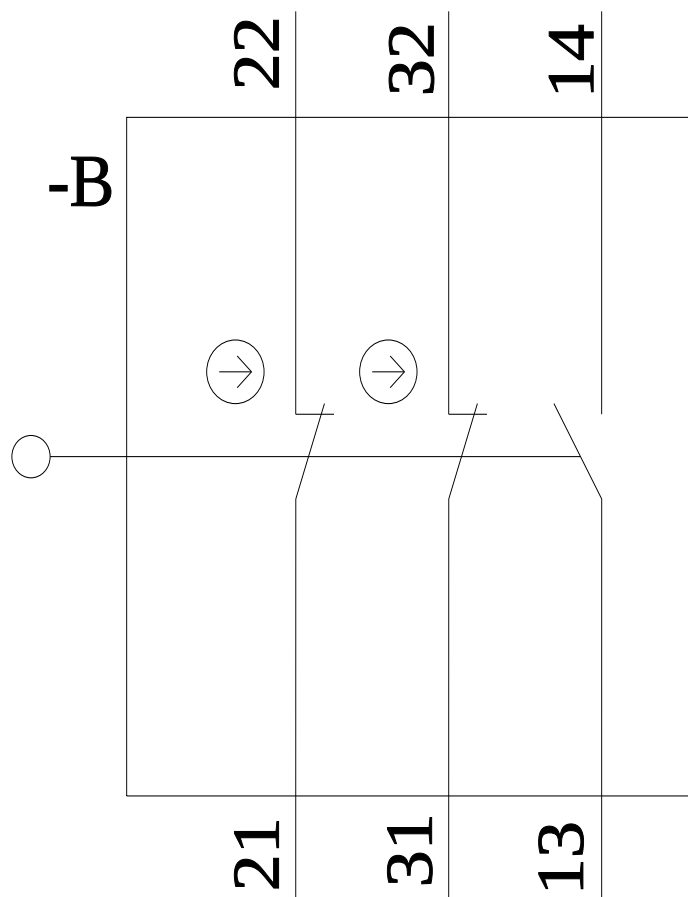
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0QV40>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5242-0QV40&lang=en





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